

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 July 2003 (17.07.2003)

(10) International Publication Number
WO 03/058947 A3

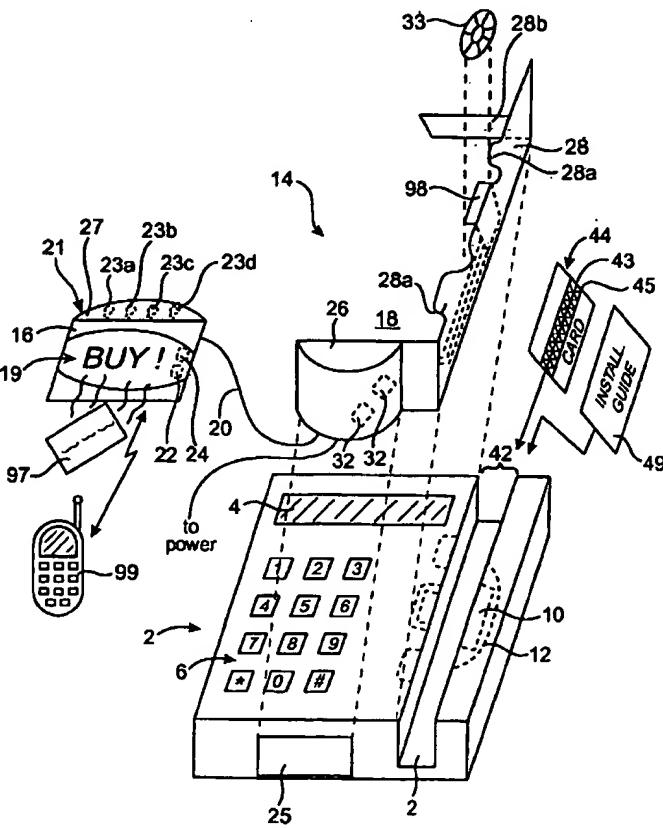
- (51) International Patent Classification⁷: G06K 7/08 (72) Inventors; and
 (21) International Application Number: PCT/US02/41008 (75) Inventors/Applicants (for US only): FERNANDES,
 (22) International Filing Date: 19 December 2002 (19.12.2002) Jorge [US/US]; 11871 Hilltop Drive, Los Altos Hills, CA
 (25) Filing Language: English 94024 (US). KHAN, Mohammad, A. [US/US]; 2238
 (26) Publication Language: English Bentley Ridge Drive, San Jose, CA 95138 (US). BROWN,
 (30) Priority Data:
 60/343,874 26 December 2001 (26.12.2001) US Kerry [US/US]; 11921 Hilltop Drive, Los Altos Hills, CA
 60/345,985 31 December 2001 (31.12.2001) US 94024 (US).
 60/382,280 20 May 2002 (20.05.2002) US
 60/411,536 17 September 2002 (17.09.2002) US
 (71) Applicant (for all designated States except US): VIV-
 OTECH, INC. [US/US]; 451 El Camino Real, Santa
 Clara, CA 95050 (US).
 (74) Agents: TOBIN, Kent, J. et al.; Townsend and Townsend
 and Crew LLP, Two Embarcadero Center, 8th Floor, San
 Francisco, CA 94111-3834 (US).
 (81) Designated States (national): AE, AG, AL, AM, AT, AU,
 AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
 CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
 MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
 SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
 VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: ADAPTOR FOR MAGNETIC STRIPE CARD READER



WO 03/058947 A3



(57) Abstract: An adaptor allows a magnetic stripe card reader to receive information from other media such as wireless proximity chip cards while maintaining the ability to receive a simulacrum (28) structure of sufficiently narrow width to fit substantially permanently within the slot (8) of the magnetic stripe reading device, while providing sufficient room for a magnetic stripe card to also be concurrently accommodated within the slot and read by the reader head (10). The simulacrum structure may be in electronic communication with one or more transceivers (22) of wireless communications such as RF and IR.



(84) **Designated States (regional):** ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

(88) **Date of publication of the international search report:**

2 October 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/41008

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06K 7/08
US CL : 235/449, 451, 383

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 235/449, 451, 383

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
USPTO APS EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,955,961 A (WALLERSTEIN) 21 September 1999 (21.09.1999), column 3, lines 36-55; column 7, lines 30-65.	1-20
Y	US 5,991,410 A (ALBERT et al) 23 November 1999 (23.11.1999), column 5, lines 13+.	1-20
Y	US 5,850,077 A (TOGNAZZINI) 15 December 1998 (15.12.1998), column 7, lines 22-43; column 8, line 60 - column 9, line 7.	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

• Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

13 March 2003 (13.03.2003)

Date of mailing of the international search report

08 JUL 2003

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231
Facsimile No. (703) 305-3230

Authorized officer
Kimberly D. Nguyen
Telephone No. (703) 305-1798

Renee Henton